



SEQUENCE LISTING

(1) GENERAL INFORMATION

- (i) APPLICANTS: Kang-Hung Lee
Chi-Horng Bair
Yang-Yuan Tseng
Yih-Weng Wang
Shing-Hwan Wang
- (ii) TITLE OF THE INVENTION: METHODS FOR DETECTING AND DIFFERENTIATING ENTEROVIRUSES AND THE PRIMERS AND PROBES THEREFOR
- (iii) NUMBER OF SEQUENCES: 11
- (iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Kolisch, Hartwell, Dickinson, McCormack & Heuser
(B) STREET: 520 SW Yahmill, Suite 200
(C) CITY: Portland
(D) STATE: Oregon
(E) COUNTRY: USA
(F) ZIP: 97204
- (v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Diskette
(B) COMPUTER: IBM Compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE:
- (vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE: 28-Nov-2000
- (vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:
- (viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Charles H. DeVoe
(B) REGISTRATION NUMBER: 37,305
(C) REFERENCE/DOCKET NUMBER: TAI 3L6
- (ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: (503) 224-6655
(B) TELEFAX: (503) 295-6679
(C) TELEX:
- (2) INFORMATION FOR SEQ ID NO:1:
- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 1560 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: double strand
(D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA

(vi) Original Source:

(A) Organism: enterovirus enterovirus type 71 (BrCr)

(IX) Feature:

(A) NAME/KEY:

(B) LOCATION:1..1560

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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ttaaaacagc tgtgggttgt caccaccca Caggggccac tgggcgctag tacactggta 60
tctcggtacc tttgtacgcc tgttttatac Ccctccctg atttgcaact tagaagcaac 120
gcaaaccaga tcaatagtag gtgtgacata Ccagtcgcac cttgatcaag cacttctgta 180
tccccggacc gagtatcaat agactgtgca cacgggtgaa ggagaaaacg tccgttacc 240
ggctaactac ttcgagaagc ctagtaacgc cattgaagtt gcagagtgtt tcgctcagca 300
ctccccccgt gtagatcagg tcgatgagtc accgcattcc ccacgggcga ccgtggcggt 360
ggctgcgttg gcggcctgcc tatggggtaa cccataggac gctctaatac ggacatggcg 420
tgaagagtct attgagctag ttagtagtcc tccggcccct gaatgcggct aatcctaact 480
gcgagacaca tacccttaat ccaaagggca gtgtgtcgta acgggcaact ctgcagcgga 540
accgactact ttgggtgtcc gtgtttcttt ttattcttgt attggctgct tatggtgaca 600
attaaagaat tgttaccata tagctattgg attggccatc cagtgtcaaa cagagctatt 660
gtatatctct ttgttggatt cacacctctc actcttgaaa cgttacacac cctcaattac 720
attatactgc tgaacacgaa gcgatgggct cccagggtctc cacacagcga tccggctcgc 780
atgagaattc caactcagcc acggaaggct ccactataaa ttacacaacc attaattact 840
acaaagactc gtatgctgcc actgctggaa agcaaagtct caaacaagat cctgacaagt 900
ttgcgaacce tgtgaaggac atctttactg aaatggcagc gcccttaaag tctccctctg 960
ctgaagcatg tggctatagc gaccgagtgg cacagcttac cattggaaat tccaccatta 1020
ctacacaaga agcagcaaac ataatagttg ggtatgggtga gtggccttca tactgctctg 1080
ataatgatgc aacagcggta gacaaaccta cacggcctga tgtctcagta aatagatttt 1140
acacgctaga cactaagcta tgggagaaat catccaaggg gtggtactgg aagttcccag 1200
atgtactgac tgaaaccgga gtttttggtc caaatgcaca atttcactac ttataccgtt 1260
cagggttctg catccacgtt caatgtaacg ctagcaaatt tcaccaaggg gcgctactcg 1320
ttgcggtatt gcccgagtat gtcattggaa cagtggcagg cggcacaggc acagagaaca 1380
gtcaccctcc ttataaacia acccaaccgg gcgctgatgg atttgaatta caacatccat 1440
atgttcttga tgctggaatt ccaatatctc agttgacagt gtgccctcac cagtggatca 1500
atttacgaac caacaattgt gccaccataa tagtgccata catgaacaca ctaccttttg 1560
```

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 16 bases

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

ttgtrcgctt gtttta

16

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 21 bases

(B) TYPE: nucleic acid

- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

caagcacttc tgthccccg g

21

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 19 bases
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

tacttcgaga arccyagta

19

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 17 bases
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

aagagyctat tgagcta

17

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 20 bases
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

ggitggtrst ggaartticc

20

(2) INFORMATION FOR SEQ ID NO:7:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 19 bases
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

cacyggatgg ccaatccaa

19

(2) INFORMATION FOR SEQ ID NO:8:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 bases
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

attgtcacca taagcagcca

20

(2) INFORMATION FOR SEQ ID NO:9:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 bases
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

arrrttiatcc aytgrtgigg

20

(2) INFORMATION FOR SEQ ID NO:10:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 27 bases
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

tcctccggcc cctgaatgcg gctaadc

27

(2) INFORMATION FOR SEQ ID NO:11:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 33 bases
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

tgtcgtaacg sgcaastcyg yrgcggaacc gac

33

(2) INFORMATION FOR SEQ ID NO:12:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 28 bases
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

tactttgggt gtccgtgttt chttttat

28

(2) INFORMATION FOR SEQ ID NO:13:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 30 bases
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

cttataagca gactcaaccc ggtgctgatg

30

(2) INFORMATION FOR SEQ ID NO:14:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 28 bases
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:

tggcattcca atatcacaat taacagtg

28

(2) INFORMATION FOR SEQ ID NO:15:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 30 bases
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:

ctcggcacta tcgcaggagg gaccgggaat

30

(2) INFORMATION FOR SEQ ID NO:16:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 30 bases
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:

cctacgccac tacacagcct ggtcagggtg

30